

Comparisons of Job Characteristics

Focus Occupation: [Railroad Conductors and Yardmasters \(53-4031\)](#)

Associated Occupation: [Locomotive Engineers \(53-4011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Railroad Conductors and Yardmasters (53-4031)

Associated Occupation: Locomotive Engineers (53-4011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Transportation	4.6	13.9	14.9	0 Current knowledge level may be sufficient
Public Safety and Security	6.9	8.7	10.1	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Railroad Conductors and Yardmasters (53-4031)

Associated Occupation: Locomotive Engineers (53-4011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	13.6	9.0	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	13.3	10.3	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	8.3	8.7	0 Current skill level may be sufficient
Troubleshooting	4.5	7.1	4.8	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Railroad Conductors and Yardmasters (53-4031)
Associated Occupation: Locomotive Engineers (53-4011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Far Vision	7.8	14.7	13.5	0	Current ability level may be sufficient
Control Precision	6.6	14.4	9.5	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	14.4	11.2	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	13.6	8.9	<<	Extensive improvement in abilities may be required
Selective Attention	8.7	13.0	9.8	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	12.6	11.8	0	Current ability level may be sufficient
Multilimb Coordination	6.0	12.5	9.5	<<	Extensive improvement in abilities may be required
Rate Control	3.8	11.5	8.4	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	7.4	5.9	<	Some improvement in abilities may be required
Night Vision	2.1	6.2	4.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Railroad Conductors and Yardmasters (53-4031)
Associated Occupation: Locomotive Engineers (53-4011)

Work Activities	Exclusivity of Activity
Direct and coordinate activities of workers or staff	3
Inspect railroad equipment	89
Monitor railroad vehicle or equipment operation	89
Perform safety inspections in transportation setting	62
Read switching order, train orders, or arrival or departure schedules	92
Receive instructions from traffic control personnel	92
Understand railroad signals	89
Understand technical operating, service or repair manuals	6
Use two-way radio or mobile phone	42

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 84

Focus Occupation: Railroad Conductors and Yardmasters (53-4031)
Associated Occupation: Locomotive Engineers (53-4011)

Tools and Technologies	Exclusivity
Audio and visual equipment	4
Business function specific software	1
Computers	1
Personal communication devices	2
Railroad support equipment and systems	70
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.